

Applicant:

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For:

BUILDING CONSTRUCTION AND METHOD USING TENSION SUPPORT METHOD

- Sub 1. A building construction using tensional support members comprising: a support structure for bearing a compressive load; a support beam borne by said structure; at least one enclosure cell; and at least one tension member for suspending a said enclosure cell from said support beam. (84) 711, 72, 75 (87)
- 1, 2 (80, 31) 23
2. The building structure of claim 1 in which said support structure includes a column. (80, 31, 514)  
repeat 1, 2 (80, 31, 514)  
repeat 1, 2 (80, 31, 514)
3. The building structure of claim 1 in which said support structure includes two columns. (80, 31)
4. The building structure of claim 1 in which said support structure includes at least three columns. (80, 31, 514) see Fig 7
5. The building structure of claim 1 in which said support beam includes a linear beam. (80, 31, 514)
6. The building structure of claim 1 in which said support beam includes an annular beam. (80, 31, 514)

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1 7. The building structure of claim 1 in which said support beams includes a  
2 number of linear beams.

1 8. ~~Mark~~  
1 The building structure of claim 1 in which said support beam includes an  
2 inner and an outer annular beam and an interconnection structure connecting the two.

1 9. The building structure of claim 1 in which said support beam includes a  
2 tension member including a cable element. ~~7112615~~

1 10. The building structure of claim 1 in which said support beam includes a  
2 number of cable elements suspending each said enclosure cell.

1 11. The building structure of claim 1 in which said support beam includes a  
2 fiber reinforced plastic material.

1 12. The building structure of claim 1 in which said enclosure cell includes a  
2 wall and floor.

1 13. The building structure of claim 1 in which said support beam includes  
2 fiber reinforced plastic material.

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1 14. A method of building using tensioned support members comprising  
2 providing a support structure for bearing a compressional load; installing a support beam  
3 on said support structure; providing at least one enclosure cell; and suspending each  
4 enclosure cell with a tension member from said support beam.

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1 15. The method of claim 14 further including suspending additional enclosure  
2 cells from said support beam.

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1 16. The method of claim 14 in which said support structure includes at least  
2 two columns. 63163

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1 17. The method of claim 14 in which said support beam includes at least two  
2 beams.

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1 18. The method of claim 14 in which said support beam includes a linear  
2 beam.

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1 19. The method of claim 14 in which said support beam includes an annular  
2 beam.

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1 20. The method of claim 14 in which said support beam includes an inner and  
2 an outer annular beam and an interconnection structure between the line.